



Docket No.: 614.1897-C/AMC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Takeshi KUBO, et al.

Serial No.: 09/835,128 (Continuation of 09/084,323):

Filed: April 16, 2001

Group Art Unit: 2131

Examiner: unassigned

For: **AUTHENTICATION APPARATUS, USER AUTHENTICATION METHOD, USER AUTHENTICATION CARD AND STORAGE**

RECEIVED
AUG 24 2001
Technology Center 2100

SUPPLEMENTAL PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

This is further to the Preliminary Amendment filed on April 15, 2001. Before examination of the above-identified application, please amend the application as follows:

The following amendments and remarks are respectfully submitted.

IN THE CLAIMS:

Please REPLACE claims 1-75 and ADD new claims 76-150 in accordance with the following:

76. An authentication apparatus comprising:
a touch sensor detecting a plurality of coordinates, input via a specifying member which specifies a plurality of discontinuous different coordinates;
a comparing unit comparing the plurality of detected coordinates and a plurality of registered coordinates and outputting a compared result; and
an authentication unit carrying out an authentication based on the compared result.

77. An authentication apparatus, comprising:
a touch sensor detecting a plurality of coordinates, input by a pointing device, via a specifying member which specifies a plurality of discontinuous different coordinates;
a comparing unit comparing the plurality of the detected coordinates and a plurality of registered coordinates and outputting a compared result; and